

Recombinant Human TRAF2 protein ab204091

[1 References](#) [1 图像](#)

描述

产品名称	重组人TRAF2蛋白
纯度	> 70 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	Q12933
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MAAASVTPPGSLELLQPGFSKTL LGTKLEAKYLCSACRNVL R RPFQAQCG HRYCSFCLASILSSGPQNCAACVHEGIYEEGISILESSAFP DNAARREV ESLPAVCPSDGCTWKGT LKEYESCHEGRCPLMLTECPACKGL VRLGEKER HLEHECPERSLSCRHCRAPCCGADVKAHHEVCPKFPLTCDGC GKKKIPRE KFQDHVKTCGKCRVPCR FHAIGCLETVEGEKQQEHEVQWLRE HLAMLLSS VLEAKPLLGDQSHAGSELLQRCE SLEKKTATFENIVCVLNRE VERVAMTA EACSRQHRLDQDKIEALSSKVQQLERSIGLKDLAMADLEQKV LEMEASTY DGVFIWKISDFARKRQEAVAGRIPAI FSPA FYTSRYGYKMCL RIYLN GDG TGRGTHLSLFFVVMKGPNDALLRWP FNQKVTLM LLDQNNREH VIDAFRPD VTSSSFQRPVNDMNIASGCPLFCPVSKMEAKNSYVRDDAIFI KAIVDLTG L
预测分子量	89 kDa including tags
氨基酸	1 to 501
标签	GST tag N-Terminus
额外的序列信息	NM_021138.

技术指标

Our **Abpromise guarantee** covers the use of **ab204091** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 Western blot

SDS-PAGE

形式 Liquid

制备和贮存

稳定性和存储 Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)

常规信息

功能 Regulates activation of NF-kappa-B and JNK and plays a central role in the regulation of cell survival and apoptosis. Required for normal antibody isotype switching from IgM to IgG. Has E3 ubiquitin-protein ligase activity and promotes 'Lys-63'-linked ubiquitination of target proteins, such as BIRC3, RIPK1 and TICAM1. Is an essential constituent of several E3 ubiquitin-protein ligase complexes, where it promotes the ubiquitination of target proteins by bringing them into contact with other E3 ubiquitin ligases. Regulates BIRC2 and BIRC3 protein levels by inhibiting their autoubiquitination and subsequent degradation; this does not depend on the TRAF2 RING-type zinc finger domain.

通路 Protein modification; protein ubiquitination.

序列相似性 Belongs to the TNF receptor-associated factor family. A subfamily.

Contains 1 MATH domain.

Contains 1 RING-type zinc finger.

Contains 2 TRAF-type zinc fingers.

结构域 The coiled coil domain mediates homo- and hetero-oligomerization.

The MATH/TRAF domain binds to receptor cytoplasmic domains.

The RING-type zinc finger domain is essential for E3 ubiquitin-protein ligase activity. It is not essential for the stabilization of BIRC2, or for the ubiquitination of RIPK1 in response to TNFR1 signaling.

翻译后修饰 Phosphorylated at several serine residues within the first 128 amino acid residues.

Phosphorylated at Thr-117 in response to signaling via TNF and TNFRSF1A. Phosphorylation at Thr-117 is required for 'Lys-63'-linked polyubiquitination, but not for 'Lys-48'-linked polyubiquitination. Phosphorylation at Thr-117 is important for interaction with IKKA and IKKB, activation of IKK and subsequent activation of NF-kappa-B.

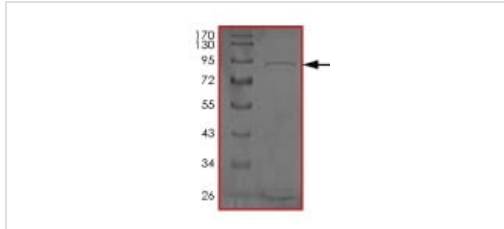
Undergoes both 'Lys-48'-linked and 'Lys-63'-linked polyubiquitination. Polyubiquitinated via 'Lys-63'-linked ubiquitin in response to TNF signaling; this requires prior phosphorylation at Thr-117. 'Lys-63'-linked polyubiquitination promotes TRAF2-mediated activation of NF-kappa-B. Can be polyubiquitinated at several Lys residues via 'Lys-48'-linked ubiquitin chains in response to TNF signaling, leading to proteasomal degradation. Autoubiquitinated, leading to its subsequent proteasomal degradation. Polyubiquitinated by BIRC2 and SIAH2, leading to its subsequent

proteasomal degradation. Deubiquitinated by CYLD, a protease that specifically cleaves 'Lys-63'-linked polyubiquitin chains.

细胞定位

Cytoplasm.

图片



SDS-PAGE analysis of ab204091.

SDS-PAGE - Recombinant Human TRAF2 protein
(ab204091)

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